

searching Seq2 library

Comparison of:

(A) Seq1 &gt;Seq1 (540 nucleotides)

(B) Seq2 &gt;Seq2 (540 nucleotides)

using matrix file DNA

Seq ID No: 1

Seq ID No: 3

- 540 nt

- 540 nt

99.3% identity in 540 nt overlap; init: 2132, opt: 2132

	10	20	30	40	50	60
Seq1	ATGCCGATCGAGTACAAGCCTGAAATCCAGCACTCCGATTCAAGGACCTGACCAACCTG	X::	.....	.....	.....	.....
Seq2	ATGCCGATCAAGTACAAGCCTGAAATCCAGCACTCCGATTCAAGGACCTGACCAACCTG	10	20	30	40	50
	70	80	90	100	110	120
Seq1	ATCCACTTCCAGAGCATGGAAAGGCAAGATCTGGCTTGGCGAACAGCGCATGCTGTTGCTG	.....	.....	.....	.....	.....
Seq2	ATCCACTTCCAGAGCATGGAAAGGCAAGATCTGGCTTGGCGAACAAACGCGCATGCTGTTGCTG	70	80	90	100	110
	130	140	150	160	170	180
Seq1	CAGTCTTCAGCGATGGCCAGCTTCGCCGGAAATGGTCAATACCCCTGGCATCGAACGC	.....	.....	.....	.....	.....
Seq2	CAGTTTCAGCGATGGCCAGCTTCGCCGGAAATGGTCAATACCCCTGGCATCGAACGC	130	140	150	160	170
	190	200	210	220	230	240
Seq1	GCCAAGGGCTTGTTCCTGCCCCATGGTTACCAGTCGGCCTGAAGGATGCCGAACTGGCC	.....	.....	.....	.....	.....
Seq2	GCCAAGGGCTTGTTCCTGCCCCATGGTTACCAGTCGGCCTGAAGGATGCCGAACTGGCC	190	200	210	220	230
	250	260	270	280	290	300
Seq1	AGGAAGCTGAGACCGAATGCCAGCGAAGTCGGCATGTTCTCGCTGGCCCGCAGATGCAT	.....	.....	.....	.....	.....
Seq2	AGGAAGCTGAGACCGAATGCCAGCGAAGTCGGCATGTTCTCGCTGGCCCGCAGATGCAT	250	260	270	280	290
	310	320	330	340	350	360
Seq1	TCACTCAAGGGTCTGGTCAAGGTCCGCCACCGAGCTCGATATCGACAAGGAATACGGG	.....	.....	.....	.....	.....
Seq2	TCACTCAAGGGTCTGGTCAAGGTCCGCCACCGAGCTCGATATCGACAAGGAATACGGG	310	320	330	340	350
	370	380	390	400	410	420
Seq1	CGCTTCTATGCCGAGATGGAGTGGATCGACTGGTTCGAGGTGGAAATCTGCCAGACCGAC	.....	.....	.....	.....	.....
Seq2	CGCTTCTATGCCGAGATGGAGTGGATCGACTGGTTCGAGGTGGAAATCTGCCAGACCGAC	370	380	390	400	410
	430	440	450	460	470	480
Seq1	CTGGGGCAGATGCAAGACCCGGTGTGGACTGTGCTCGGCTACGCCCTGCGCCTATTCC	.....	.....	.....	.....	.....
Seq2	CTGGGGCAGATGCAAGACCCGGTGTGGACTGTGCTCGGCTACGCCCTGCGCCTATTCC	430	440	450	460	470
	490	500	510	520	530	540
Seq1	TCGGCGTTCATGGGCCGGAAATCATCTTCAAGGAAGTCAGCTGCCGGCTGCGCGGC	.....	.....	.....	.....	X
Seq2	TCGGCGTTCATGGGCCGGAAATCATCTTCAAGGAAGTCAGCTGCCGGCTGCGCGGC	490	500	510	520	530
	540					

54.5% identity in 55 nt overlap; init: 40, opt: 45

	490	500	510	520	530
Seq1	GGCGTTCATGGGCCGGAAATCATCTTCAAGGAAGTCAGCTGCCGGCTGCGC				
	:::	:::	X:::  :::  X	:::	:::
Seq2	GGCCAGCTTCGCCGGAAATGGTCAATACCCTGGGCATCGAACGCGCCAAGGGC				
	140	150	160	170	180

52.7% identity in 110 nt overlap; init: 40, opt: 49

	90	100	110	120	130	
Seq1	AGGCAAGATCTGGCTGGCAACAGCGC	-ATGCTGTTGCTGCAGTCTTCAGCGATGGCCA				
	:	:	:	:	:	
Seq2	ATGCAAGACCCGGTGTGCTGGACTGTGCTCGGCTACGCCTGC	--GCCTATTCTCGGGCT				
	430	440	450	460	470	480
	140	150	160	170	180	
Seq1	GCTTTCGCCGGAAATGGTCAATACCCTGGCATCGAACCGCCAAGGGC					
	:	X	:	:	:	:
Seq2	TCATGGGCCGGAAATCATCTTCAAGGAAGTCAGCTGCCGCGCTGCGC					
	490	500	510	520	530	